SONY

DSC-S90

Cyber-shot® Digital Still Camera

▲ Step-up Feature

✦ New Feature

Your pictures deserve the big-screen treatment.

- **1/2.7" 4.1 Megapixel Super HAD™ CCD**
  Super HAD (Hole Accumulation Diode) CCDs provide excellent image quality by allowing more light to pass to each pixel, increasing sensitivity and reducing noise.
- **3X Optical/2X Digital/6X Total Zoom**
  3X Optical Zoom helps you frame your shots for better digital pictures. And Sony's Precision Digital Zoom provides an additional 2X magnification without the jagged edges of other designs, resulting in smoother images.
- **0-10X Smart Zoom™ Feature (at VGA Resolution)**
  The Smart Zoom feature intelligently uses the full CCD to let you zoom into the portion of interest by cropping the image size-thus avoiding the image degradation of Digital Zooms.
- ✦ **Carl Zeiss® Vario-Tessar® Lens**
  The Vario-Tessar lens is specially produced for very compact cameras. This specialized design allows quick auto-focus, appealing zoom range while still maintaining a compact design.
- **Real Imaging Processor™ Technology**
  The innovative Real Imaging Processor in the DSC-S90 not only improves picture quality and clarity but also improves camera response time, decreases shutter lag and improves battery stamina.
- **Optical Viewfinder**
  Provides accurate framing at eye level, great for added stability and following fast moving subjects.
- ▲ **2.5" LCD Monitor**
  The 2.5" 115K LCD Monitor makes framing shots and reviewing pictures easy.
- **5 Area Multi-Point Auto Focus**
  By evaluating 5 separate focus areas of the frame, Sony's Multi-Point AF system can intelligently focus on the subject and avoid mistakenly focusing on the background.
- **Manual Exposure Mode**
  Manual Exposure Mode provides extended control with 46-step adjustable Shutter speed (30-1/1000 sec.), and 2-step Aperture control.
- **AF (Auto Focus) Illuminator**
  Briefly illuminating the subject, in low- or no-light conditions, the AF Illuminator helps establish a positive focus lock.
- **Selectable Focus Mode**
  Monitoring AF (Auto Focus) helps you anticipate the action by focusing even before you press the shutter release.
- **Multi-Pattern Measuring**
  Independently light-metering 49 points of the frame, Multi-Pattern Measuring establishes the optimum exposure, even when highlight and shadow isn't centered in the frame.
- **Scene Selection Mode**
  With 7 Scene Modes, parameters can be matched to the shooting conditions. Choose from one of the following: Twilight, Twilight Portrait, Soft Snap, Landscape, Beach, Snow, and Candle.
- **Pre-Flash Metering**
  With a momentary pre-flash, the camera illuminates the subject and sets exposure through the lens for accurate flash metering. Adjustable flash level and red-eye reduction ensure great flash shots.
- **Slow Shutter Noise Reduction**
  During long exposures, Slow Shutter NR captures the scene, and then the CCD noise pattern with a dark frame exposure. By subtracting the two, even long exposures can be clear.
- **Memory Stick® Media and Memory Stick PRO™ Media**
  Digital. Powerful. Transportable.™ Memory Stick® media is compact, portable and rugged-connecting a variety of hardware and software applications.
- ✦ **32MB Internal Memory[1] Included**
  Shoot without a flash memory card with 32 MB internal memory[1] ; Slot for optional Memory Stick®, Memory Stick PRO™ media. Full 32MB of internal memory can be copied to optional Memory Stick media.
- **4 Shot Burst Mode**
  Capture up to 4 shots at full 4MP resolution at 0.7 frames/sec. Perfect for high speed subjects or fast moving action such as sports or small children.
- **MPEG Movie VX Standard/Fine Mode with Audio**
  Captures VGA (640x480) high frame rate (up to 30 frames per second) audio/video clips with length limited only by the capacity of the media. Video mail mode captures smaller file sizes suitable for email.
- **Conversion Lens Compatible**
  Conversion Lens Compatible with VAD-PEB adaptor, you can add tele- or wide- conversion lenses for greater magnification or wider field of view, as well as protective and special effect filters.
- **Rechargeable AA NiMH Batteries**
  The supplied high capacity 2100 mAh AA NiMH batteries provide reliable, long-lasting power for continuous shooting. The supplied BC-CS2 charger provides a convenient way to charge the batteries.

Effective 4.1 MEGA PIXELS

OPTICAL 3× ZOOM

ZEISS

Real Imaging Processor

Multi Point AF

Manual Exposure

AF Illuminator

Multi Pattern Measuring

Scene Selection

NR Slow Shutter

MEMORY STICK®

Burst Shot (4 shots)

MPEG MOVIE VX Fine

Conversion Lens Compatible

Batteries and Charger Included

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DSC-S90

Cyber-shot® Digital Still Camera

additional features

- Cyber-shot Station Dock Compatible
- PictBridge™ Compatibility
- Audio/Video Output (via multi-use terminal)
- 3:2 Aspect Ratio Mode
- Adjustable Color/Saturation/Hue
- Auto Daylight Synchro Fill Flash
- Clear Color/Clear Luminance NR
- Live Histogram Display
- MPEG1 Cue, Review and Divide
- Supports High Speed USB 2.0[2]

specifications

Recording Media: 32MB[1] internal flash memory, Memory Stick® Media, Memory Stick PRO™ Media
Red-Eye Reduction: On/Off
White Balance: Auto, Daylight, Cloudy, Fluorescent, Incandescent
Burst Mode: 4 Shot 4MP (JPEG fine), 30 Shot VGA (JPEG std.), 0.7fps
Picture Effects: Sepia, Black & White
Scene Modes: Twilight, Twilight Portrait, Soft Snap, Landscape, Beach, Snow, Candle
Self Timer: Yes, 10 Seconds
Power Save Mode: Normal (JPEG Fine/Standard), Burst, Multi-Burst
Movie Mode(s): MPEG VX Fine with Audio (640x480 at 30fps), (MPEG VX Fine requires Memory Stick PRO™ media, MPEG VX Standard with Audio (640x480 at 16fps), Video Mail (160x112 at 8fps) with Audio
Memory Stick Pro™ Media Compatibility: Tested to support up to 4GB media capacity[1] ; does not support Access Control security function
Imaging Device: 1/2.7" 4.1 Megapixel Super HAD™ CCD
Macro Mode: 3 7/8" (10cm)
Lens Construction: 5 Elements in 7 Groups, 2 Aspheric Elements
LCD: 2.5" 115K Pixel TFT LCD Screen
Microphone/Speaker: Yes/Yes
USB Port(s): Yes, Multi-pin connector; Supports USB 2.0[2]
Output(s): Yes, Multi-pin connector, NTSC/PAL Selectable
Flash Modes: Auto/Forced On/Forced Off/Slow Synchro
Flash Effective Range: 7-7/8" -14' 9" (0.2-4.5m)
Zoom: 3X Optical Zoom; Smart Zoom® Feature: 0-10X (at VGA Resolution); Digital Zoom: Precision, 0-2.0X Range, 6X Total
Focal Length: 6-18mm
35mm Equivalent: 39-117mm
Focus: 5 Area Multi-Point AF, Center AF, 5-Step Manual
Focal Distance: 19 3/4" (50cm) Telephoto (Minimum)
Shutter Speed: 1/8-1/1000 sec. (Auto); 2-1/1000 sec (Program Auto); 30-1/1000sec (Manual)
Aperture Range: f2.8-f5.6 (W), f5.2-f10 (T)
Exposure Compensation: ± 2.0 EV, 1/3 EV Steps
ISO: Auto, 80, 100, 200, 400
Battery Type: "AA" NiMH, "AA" Alkaline, "AA" Nickel-Metal Manganese
Limited Warranty:1 Year Parts & Labor
Supplied Software: Picture Package™ for Sony v1.6 (Windows), Pixela™ ImageMixer VCD2 (Macintosh), USB Driver, Cyber-shot Life tutorial (Windows)
Operating System Compatibility: Microsoft® Windows® 98/98SE/Me/ 2000/XP Home/XP Pro; Macintosh® OS 9.1/9.2/OS X (10.0-10.3)
Filter Diameter: 30mm, by required VAD-PEB adaptor
Weight: 7 oz (202 g) Body; 9 oz (253 g) Body w/Batteries, Media, Wrist Strap
Dimensions (WHD): 3 4/5" x 2 8/15 "x 1 7/12" (96.6 x 64.4 x 40.1mm)
Supplied Accessories: "AA" NH-AA-DA NiMH Battery x 2
Battery Charger and Cord (BC-CS2)
A/V & USB Multi-cable
Wrist Strap
Software CD-ROM

UPC Code: 0272426738300

service and warranty

Limited Warranty: 1 Year Parts & Labor

optional accessories

Starter Kit (ACC-CN3TR)
Cyber-shot Station (CSS-SA)
Rechargeable NiMH Batteries (2pk) (NH-AA-2DB)
Rechargeable NiMH Batteries Pak (NP-NH25)
Conversion Lens Adaptor Mount (VAD-PEB)
Wide Angle Conversion Lens[4] (VCL-DH0730)
Super Telephoto Conversion Lens[4] (VCL-DH2630)
Telephoto Conversion Lens[4] (VCL-DH1730)
Polarizing Kit Filter[4] (VF-30CPKS)
External Slave Flash w/Bracket (HVL-FSL1B)
Marine Sports Pak (SPK-SA)
Soft Carrying Case - Black (LCS-SA/B)
Memory Stick® Media (MSH-128A)
Memory Stick PRO™ Media (MSX-256S/N)
Memory Stick PRO™ Media (MSX-512S/N)
Memory Stick PRO™ Media (MSX-1GS/N)
Memory Stick PRO™ Media (MSX-2GN)
Memory Stick PRO™ Media (MSX-4GN)
Memory Stick PRO™ Media USB Adaptor (MSAC-US30)
Multi-slot Memory Stick Adaptor (MSAC-USM1)

JPEG STILL IMAGE MODE

Fine/Standard Picture Quality

Memory Stick® Media[1]	2304x1728 4MP	2304x1536 4MP (3:2)	2048x1536 3MP	1280x960 1MP	640x480 VGA
32MB Internal Memory	16/30	16/30	20/37	50/93	196/491
16MB	8/14	8/14	10/18	24/46	97/243
32MB	16/30	16/30	20/37	50/93	196/491
64MB	32/60	32/60	41/74	101/187	394/985
128MB	65/121	65/121	82/149	202/376	790/1975
Memory Stick PRO™ Media[1]					
256MB	119/216	119/216	148/264	357/649	1428/3571
512MB	242/440	242/440	302/537	726/1320	2904/7261
1GB	494/898	494/898	617/1097	1482/2694	5928/14821
2GB	1012/1841	1012/1841	1266/2250	3038/5524	12154/30385
4GB	2073/3771	2073/3771	2501/4447	5928/10776	23712/59284

MPEG MOVIE MODE

Maximum Recording Time

Memory Stick® Media[1]	MPEG VX (640x480) Fine	MPEG VX (640x480) Standard	Video Mail (160x112)
32MB Internal Memory	—	1m 27s	22m 42s
16MB	—	42s	11m 12s
32MB	—	1m 27s	22m 42s
64MB	—	2m 56s	46m
128MB	—	5m 54s	1h 31m 33s
Memory Stick PRO™ Media[1]			
256MB	2m 57s	10m 42s	2h 51m 21s
512MB	6m 2s	21m 47s	5h 47m 05s
1GB	12m 20s	44m 27s	11h 43m 22s
2GB	25m 18s	1h 31m 12s	24h 18m 25s
4GB	50m 01s	3h 06s	48h 01m 40s

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Sony. Engineered to be effortless.

STAMINA BATTERY CAPACITY (Approx.)

Battery (Fully charged)	Time[3]	# Still Image Shots[3]
AA Alkaline (Optional)	40 min	80
NH-AA-2DA (NiMH Supplied)	210 min	420
NH-AA-2DB (NiMH-Optional)	245 min	490
NP-NH25 (NiMH Optional)	245 min	490

1. Recording numbers are approximate and will vary depending upon the images. Available storage capacity of Memory Stick and Memory Stick PRO media may vary. A portion of the memory is used for data management functions. Actual available memory in MBs is:16=15, 32=30, 64=61, 128=123, 256=220, 512=460, 1GB=940MB, 2GB=1,850MB, 4GB=3.66GB.
2. Not all products with USB connectors may communicate with each other due to chipset variations.
3. Under Average Conditions: Normal Mode (JPEG), Picture quality Fine; Shooting each image at 30 second intervals; Flash operated every other shot; Power is turned on/off after every 10 shots. Actual results may vary on conditions of use.
4. Conversion Lens Adaptor Mount (VAD-PEB) Required.

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All screen images simulated.
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